OIPE IAP69
NOV 14 2005
PATENT & TRADEMARK OFFICE

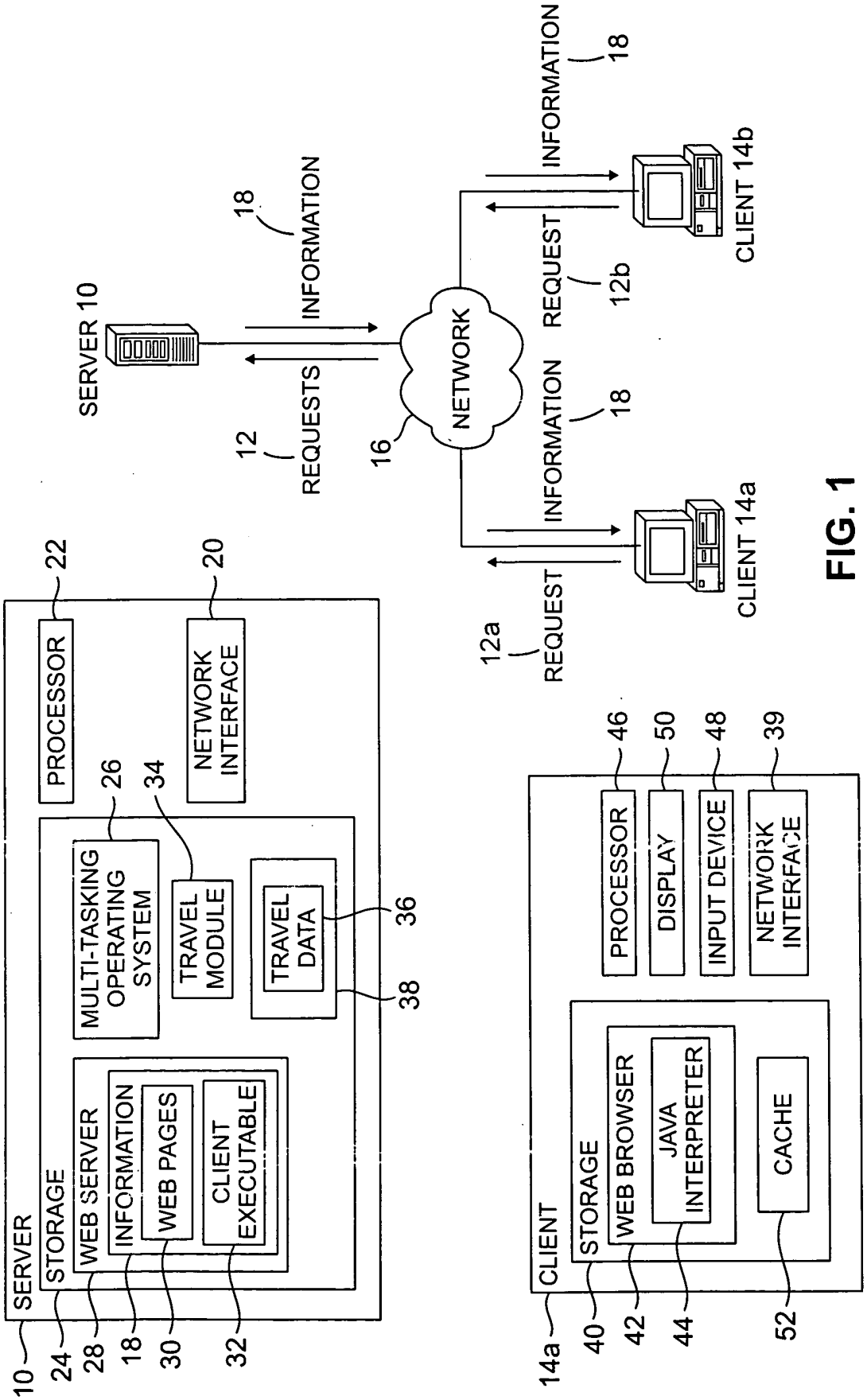

FIG. 1

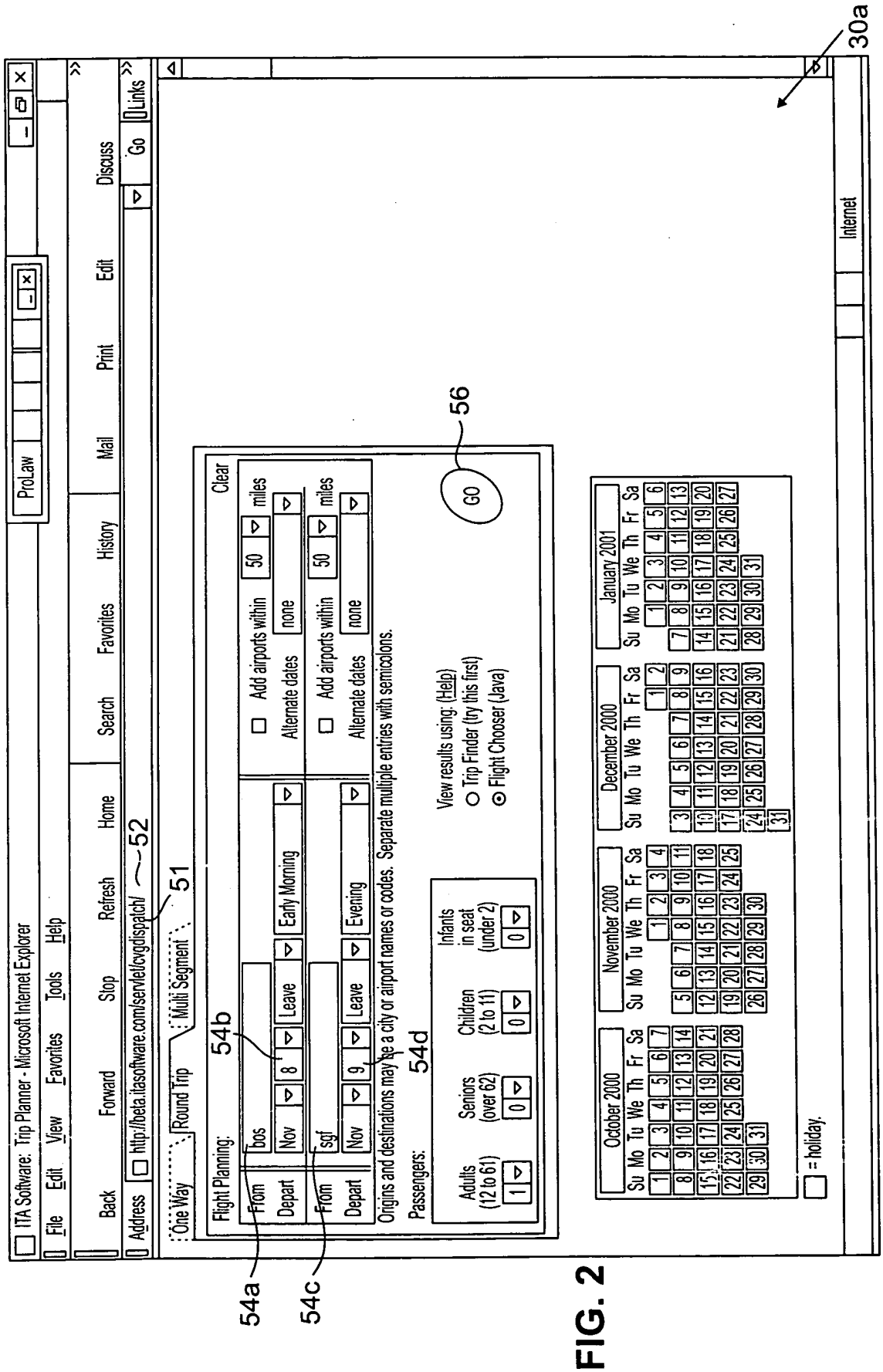
ITA Software: Trip Planner - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss
Address http://beta.itasoftware.com/servlet/cvgdispatch/
ProLaw
Links
Go
Internet
30a
52
51
One Way
Round Trip
Multi Segment
Clear
Flight Planning:
54b
From
Depart
bos
Nov
8
Leave
Early Morning
Add airports within
50
miles
Alternate dates
none
From
Depart
sqf
Nov
9
Leave
Evening
Add airports within
50
miles
Alternate dates
none
Origins and destinations may be a city or airport names or codes. Separate multiple entries with semicolons.
Passengers:
54d
Adults (12 to 61)
1
Seniors (over 62)
0
Children (2 to 11)
0
Infants in seat (under 2)
0
View results using: (Help)
Trip Finder (try this first)
Flight Chooser (Java)
GO
56
54a
54c
October 2000
November 2000
December 2000
January 2001
Su Mo Tu We Th Fr Sa
= holiday.

FIG. 2

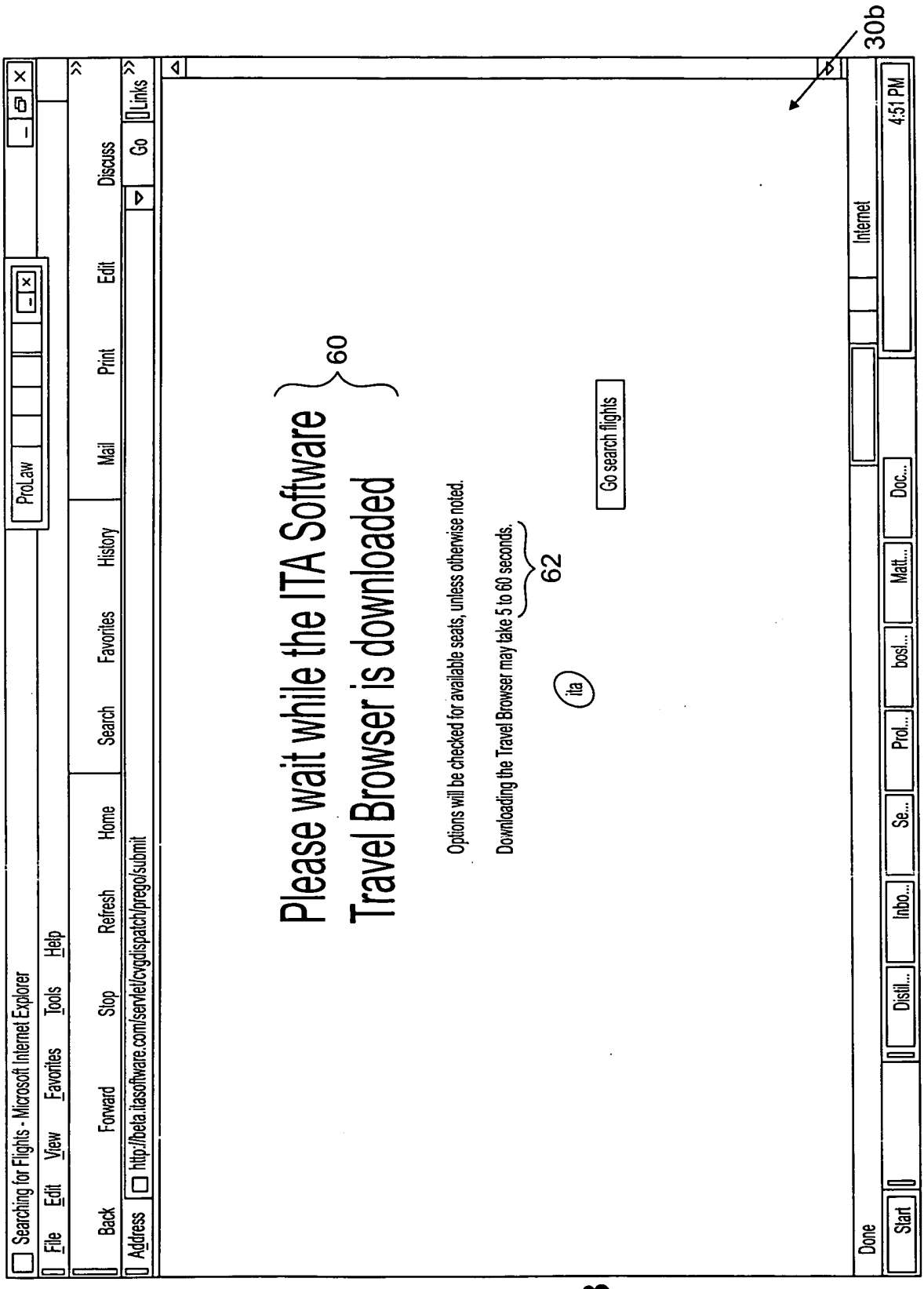
Searching for Flights - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss
Address http://beta.itasoftware.com/servlet/cvgdispatch/prego/submit
Go Links
ProLaw
Please wait while the ITA Software Travel Browser is downloaded
60
Options will be checked for available seats, unless otherwise noted.
Downloading the Travel Browser may take 5 to 60 seconds.
62
ita
Go search flights
30b
Done
Internet
Start
Distil...
Inbo...
Se...
Prol...
bosl...
Matt...
Doc...
4:51 PM

FIG. 3

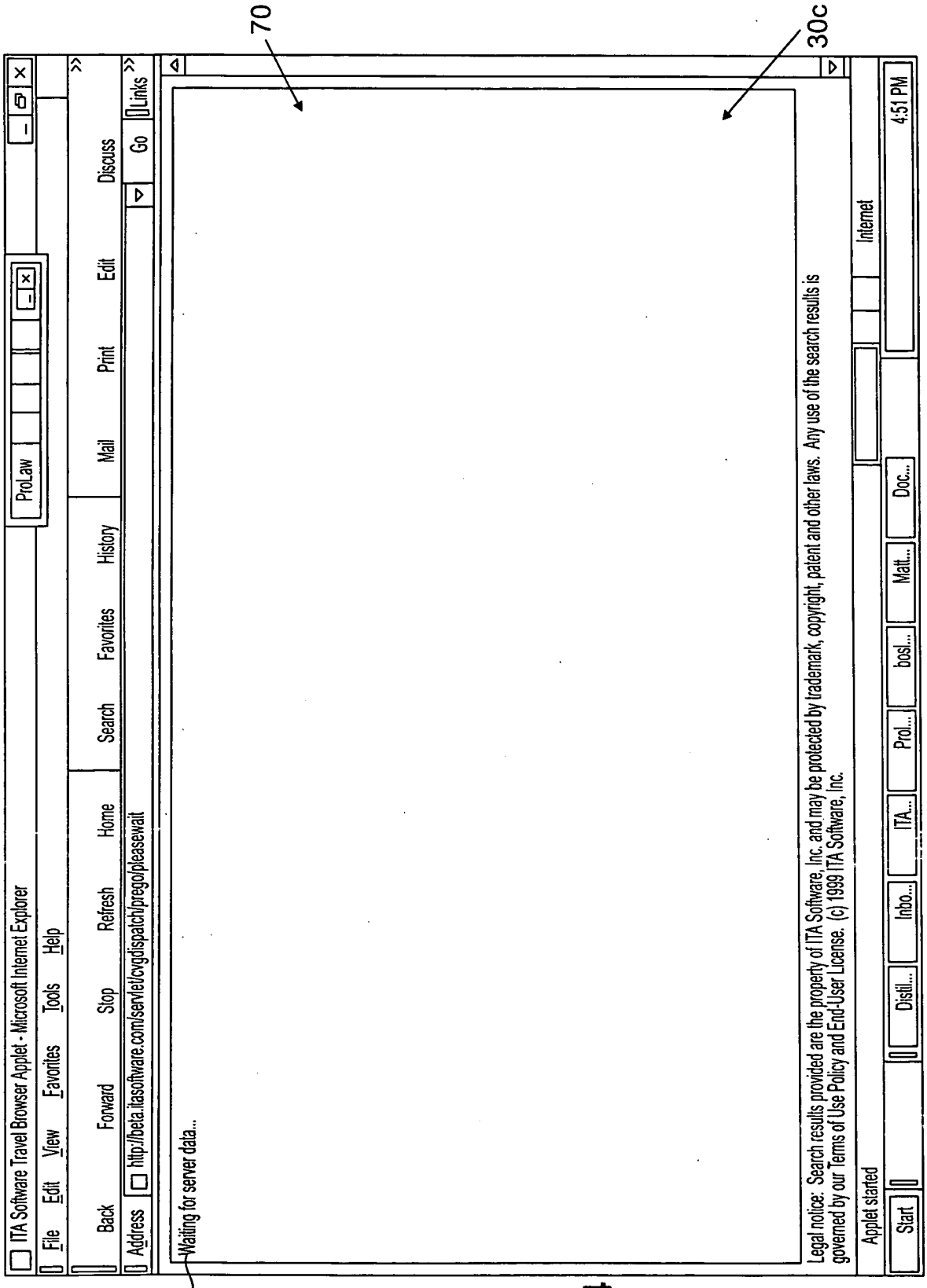
70
30c
72
ITA Software Travel Browser Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss
Address http://beta.itasoftware.com/servlet/cvgdispatch/prego/pleasewait
Go Links
Waiting for server data...
ProLaw
Legal notice: Search results provided are the property of ITA Software, Inc. and may be protected by trademark, copyright, patent and other laws. Any use of the search results is governed by our Terms of Use Policy and End-User License. (c) 1999 ITA Software, Inc.
Applet started
Internet
Start
Distil...
Inbo...
ITA...
Prol...
bosl...
Matt...
Doc...
4:51 PM

FIG. 4

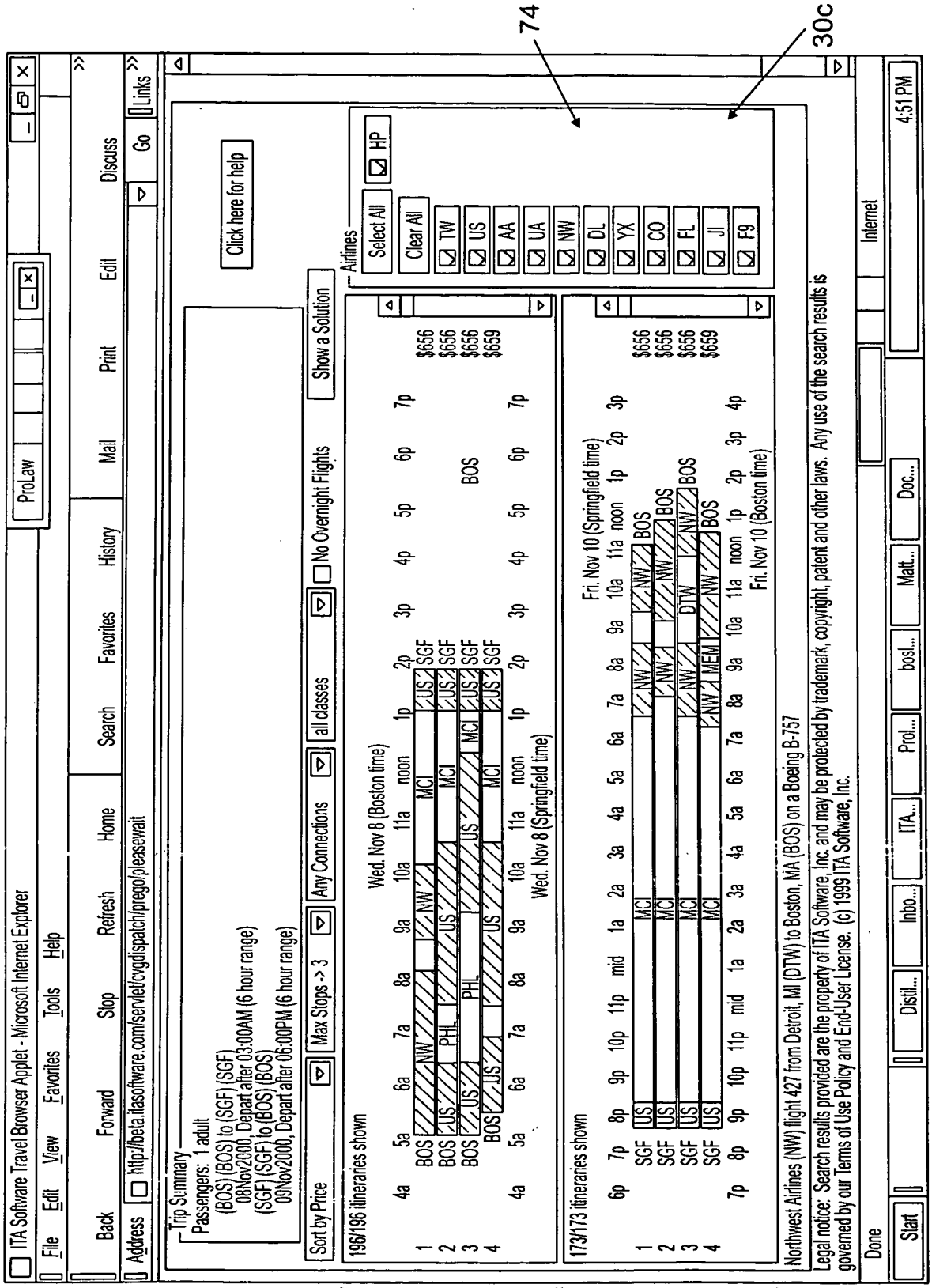
74
30c
76
76a
76b
ITA Software Travel Browser Applet - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss
Address http://beta.itasoftware.com/servlet/cvgdispatch/prego/pleasewait
ProLaw
Links
Go
Trip Summary
Passengers: 1 adult
(BOS) (BOS) to (SGF) (SGF)
08Nov2000, Depart after 03:00AM (6 hour range)
(SGF) (SGF) to (BOS) (BOS)
09Nov2000, Depart after 06:00PM (6 hour range)
Click here for help
Sort by Price
Max Stops -> 3
Any Connections
all classes
No Overnight Flights
Show a Solution
Airlines
Select All
Clear All
HP
TW
US
AA
UA
NW
DL
YX
CO
FL
JI
F9
196/196 itineraries shown
Wed. Nov 8 (Boston time)
Wed. Nov 8 (Springfield time)
173/173 itineraries shown
Fri. Nov 10 (Springfield time)
Fri. Nov 10 (Boston time)
Northwest Airlines (NW) flight 427 from Detroit, MI (DTW) to Boston, MA (BOS) on a Boeing B-757
Legal notice: Search results provided are the property of ITA Software, Inc. and may be protected by trademark, copyright, patent and other laws. Any use of the search results is governed by our Terms of Use Policy and End-User License. (c) 1999 ITA Software, Inc.
Done
Internet
Start
4:51 PM

FIG. 5

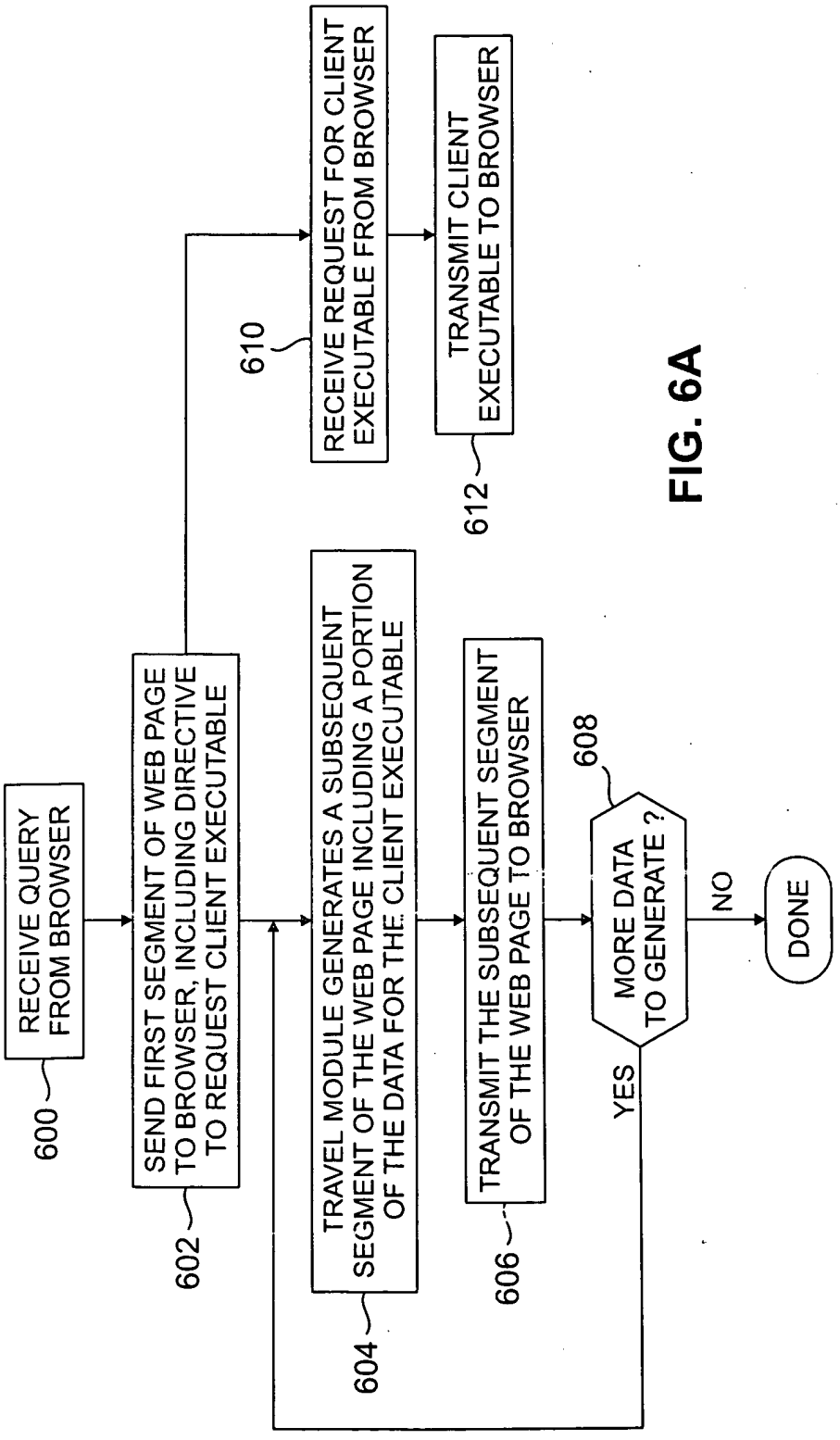
RECEIVE QUERY FROM BROWSER
600
SEND FIRST SEGMENT OF WEB PAGE TO BROWSER, INCLUDING DIRECTIVE TO REQUEST CLIENT EXECUTABLE
602
TRAVEL MODULE GENERATES A SUBSEQUENT SEGMENT OF THE WEB PAGE INCLUDING A PORTION OF THE DATA FOR THE CLIENT EXECUTABLE
604
TRANSMIT THE SUBSEQUENT SEGMENT OF THE WEB PAGE TO BROWSER
606
MORE DATA TO GENERATE ?
608
YES
NO
DONE
RECEIVE REQUEST FOR CLIENT EXECUTABLE FROM BROWSER
610
TRANSMIT CLIENT EXECUTABLE TO BROWSER
612

FIG. 6A

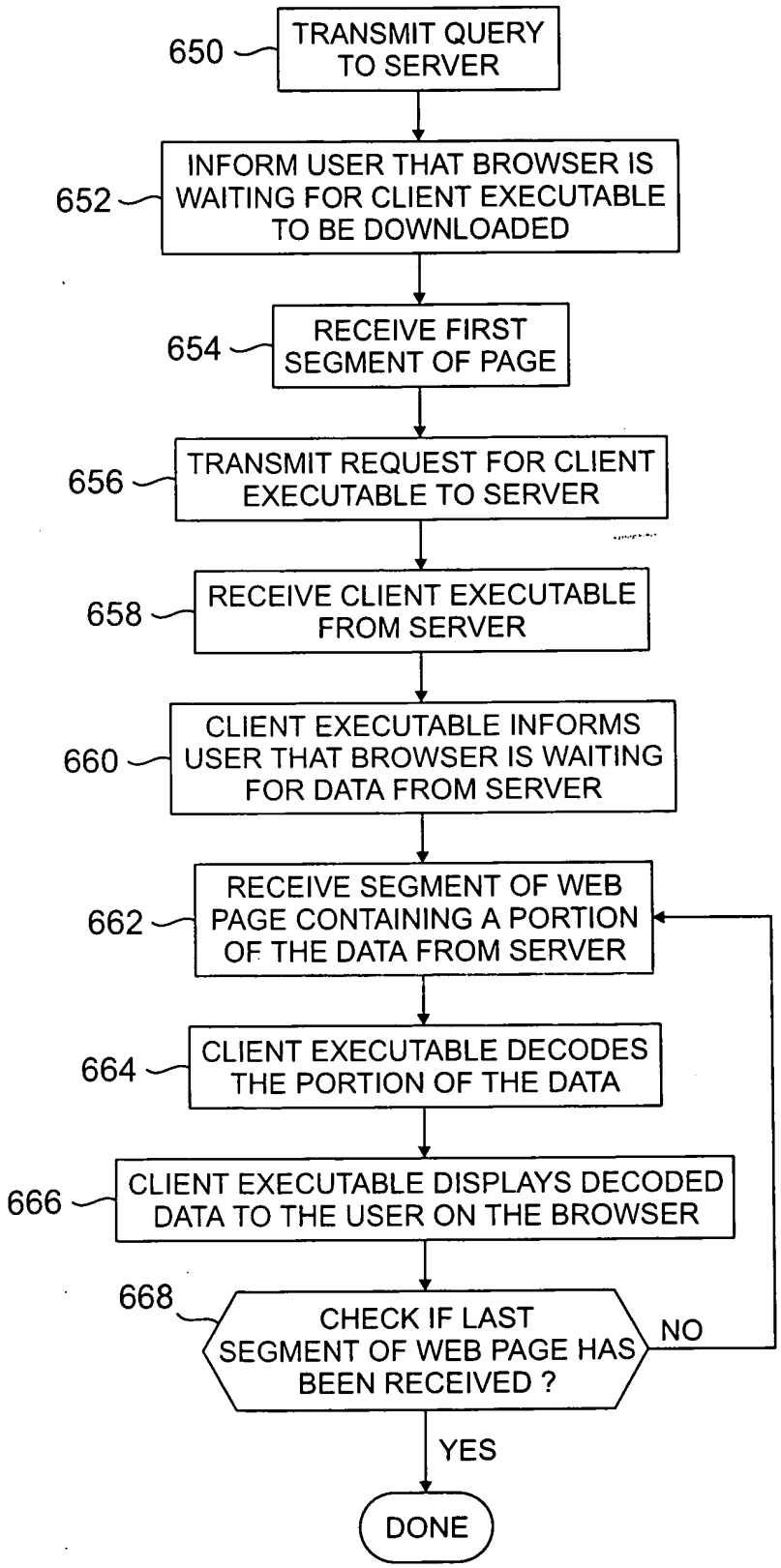
650
TRANSMIT QUERY TO SERVER
652
INFORM USER THAT BROWSER IS WAITING FOR CLIENT EXECUTABLE TO BE DOWNLOADED
654
RECEIVE FIRST SEGMENT OF PAGE
656
TRANSMIT REQUEST FOR CLIENT EXECUTABLE TO SERVER
658
RECEIVE CLIENT EXECUTABLE FROM SERVER
660
CLIENT EXECUTABLE INFORMS USER THAT BROWSER IS WAITING FOR DATA FROM SERVER
662
RECEIVE SEGMENT OF WEB PAGE CONTAINING A PORTION OF THE DATA FROM SERVER
664
CLIENT EXECUTABLE DECODES THE PORTION OF THE DATA
666
CLIENT EXECUTABLE DISPLAYS DECODED DATA TO THE USER ON THE BROWSER
668
CHECK IF LAST SEGMENT OF WEB PAGE HAS BEEN RECEIVED ?
NO
YES
DONE

FIG. 6B

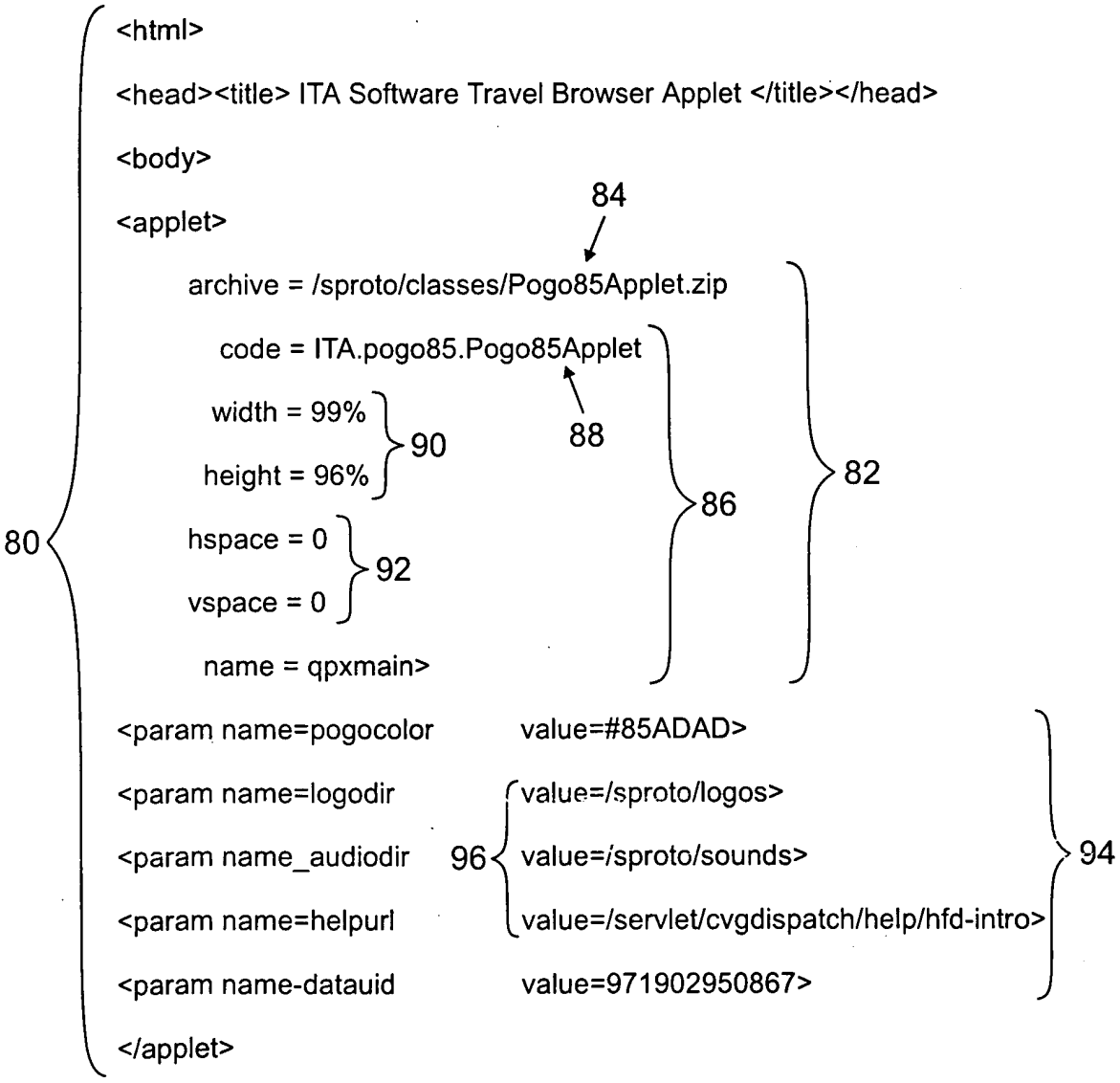
<html>
<head><title> ITA Software Travel Browser Applet </title></head>
<body>
<applet>
84
archive = /sproto/classes/Pogo85Applet.zip
code = ITA.pogo85.Pogo85Applet
88
width = 99%
height = 96%
90
hspace = 0
vspace = 0
92
name = qpxmain>
86
82
80
<param name=pogocolor value=#85ADAD>
<param name=logodir value=/sproto/logos>
<param name_audiodir value=/sproto/sounds>
<param name=helpurl value=/servlet/cvgdispatch/help/hfd-intro>
<param name-datauid value=971902950867>
96
94
</applet>

FIG. 7A

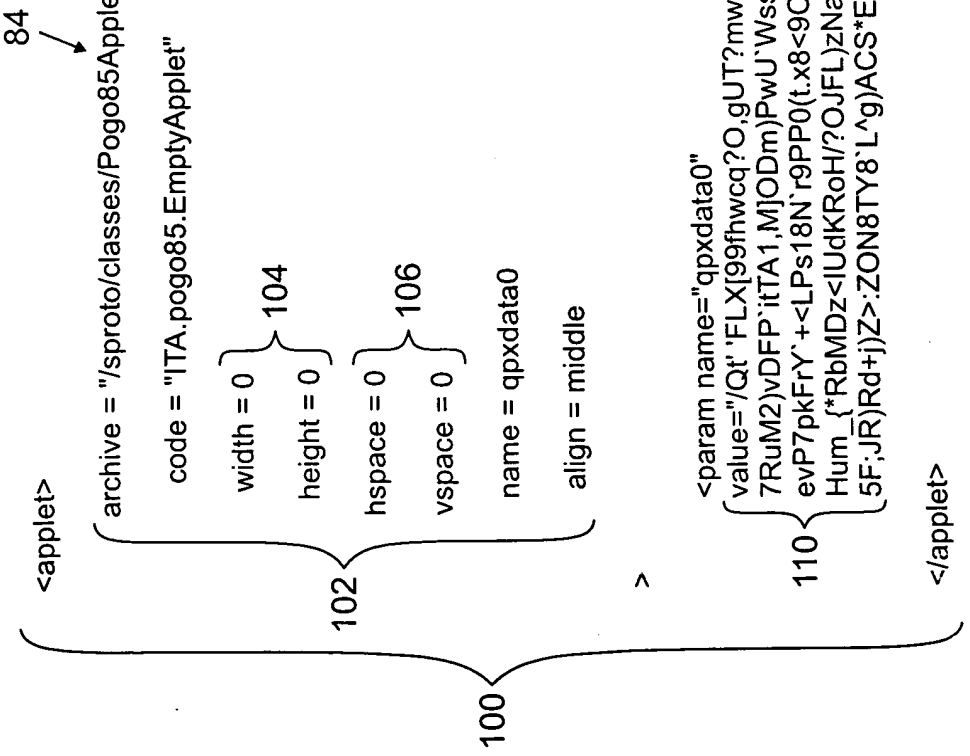
84
<applet>
archive = "/sproto/classes/Pogo85Applet.zip"
code = "ITA.pogo85.EmptyApplet"
width = 0
height = 0
hspace = 0
vspace = 0
name = qpxdata0
align = middle
>
<param name="qpxdata0"
value="/Qt' 'FLX[99fhwcq?O,gUT?mw(1,]**zQ'ThQu@10Dc:>,f7>N6pRZQ3H_j
7RuM2)vDFP`itTA1,MJODm)PwU`Wssv7[:CG9f'm2nH9HGUYifhx=<+3aMuE>oz0<T
evP7pkFrY`+<LPs18N`r9PP0(t.x8<9C7_nc.NVYA6\Kkjdrr7lay<voPs'mpj)cDB
Hum_{*RbMDz<lUdKRoH/?OJFL)zNa;qPCV?>g:D8hhxO>{zUHPY0JtueJq)p[xAmg
5F;JR)Rd+j)Z>:ZON8TY8`L^g)ACS*E\1*0z/<{zb-y;iO4TQpvNX81">
</applet>
100
102
104
106
108
110

FIG. 7B

```
<applet>
        archive = "/sproto/classes/Pogo85Applet.zip"
          code = "ITA.pogo85.EmptyApplet"
         width = 0
        height = 0
       hspace = 0
       vspace = 0
         name = qpxdata12
         align = middle
>
        <param name=lastdata value=true>
        <param name="qpxdata12"

        value="pwemu\;sbVYqmdaV[7*H*@\bhn,\V99hetPORbD=xnApq**K5@1jgu')I)\
        XEb=Ng*8RX*(bHJFOaB]hAA9f,//17o7:kLo{2V'Fq`gd;gXg>jlqmI,mAGYK]rK4p
        YP1`:w)xQwJb6>hasu+/+,L_\t<zVb(bBa:h<@njgwJujBEc/b74N8P8u_*WV*1B-
        wAxU@t;Z7>n'L0vI\=m>>GWLV=0<Jn2jRT^`/frBN0zx`bY=VoU)Rnk)fyp6f?QF>t
        eDd)4/5RxL65Y[AK=(QX19MhcyCoIBA`k7b4I>>3k@oXIvjoe^+fk{0ICHkX8nR`g9
        b50\pTLMe)hA[74Vo48Q\+*{8kgW0Qew19W{<W(<me3)=[:Y'4F\]'Y8^X*y3CsMer
        GewXfN,{69H@rDC]2Kyfp2opm*KY5Rn<s0Ft*atuCPO:tF=/' ' ">

</applet>

</body>
</html>
```

120

122

124

FIG. 7C

11/12

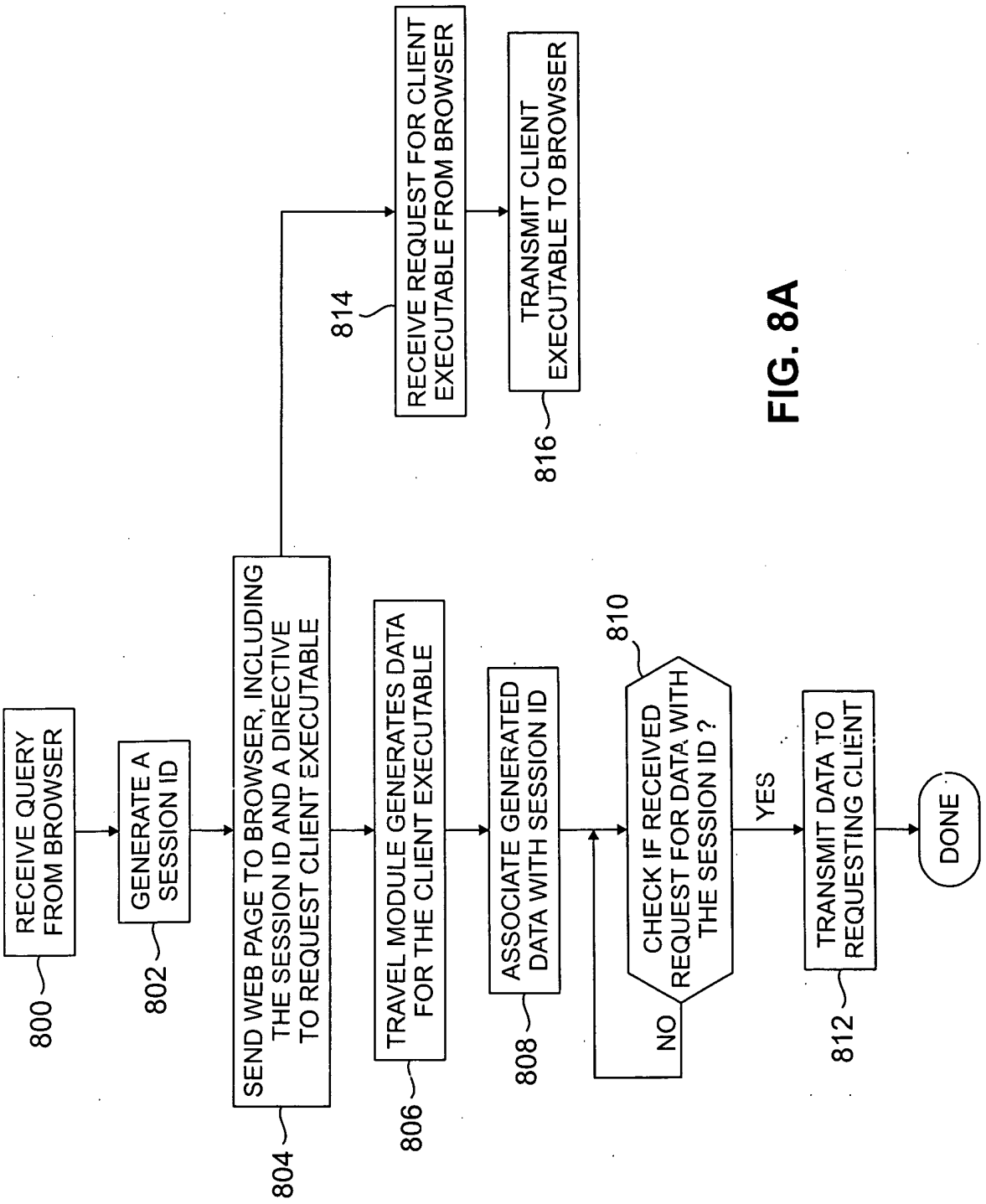
RECEIVE QUERY FROM BROWSER
800
GENERATE A SESSION ID
802
SEND WEB PAGE TO BROWSER, INCLUDING THE SESSION ID AND A DIRECTIVE TO REQUEST CLIENT EXECUTABLE
804
TRAVEL MODULE GENERATES DATA FOR THE CLIENT EXECUTABLE
806
ASSOCIATE GENERATED DATA WITH SESSION ID
808
CHECK IF RECEIVED REQUEST FOR DATA WITH THE SESSION ID ?
810
NO
YES
TRANSMIT DATA TO REQUESTING CLIENT
812
DONE
814
RECEIVE REQUEST FOR CLIENT EXECUTABLE FROM BROWSER
TRANSMIT CLIENT EXECUTABLE TO BROWSER
816

FIG. 8A

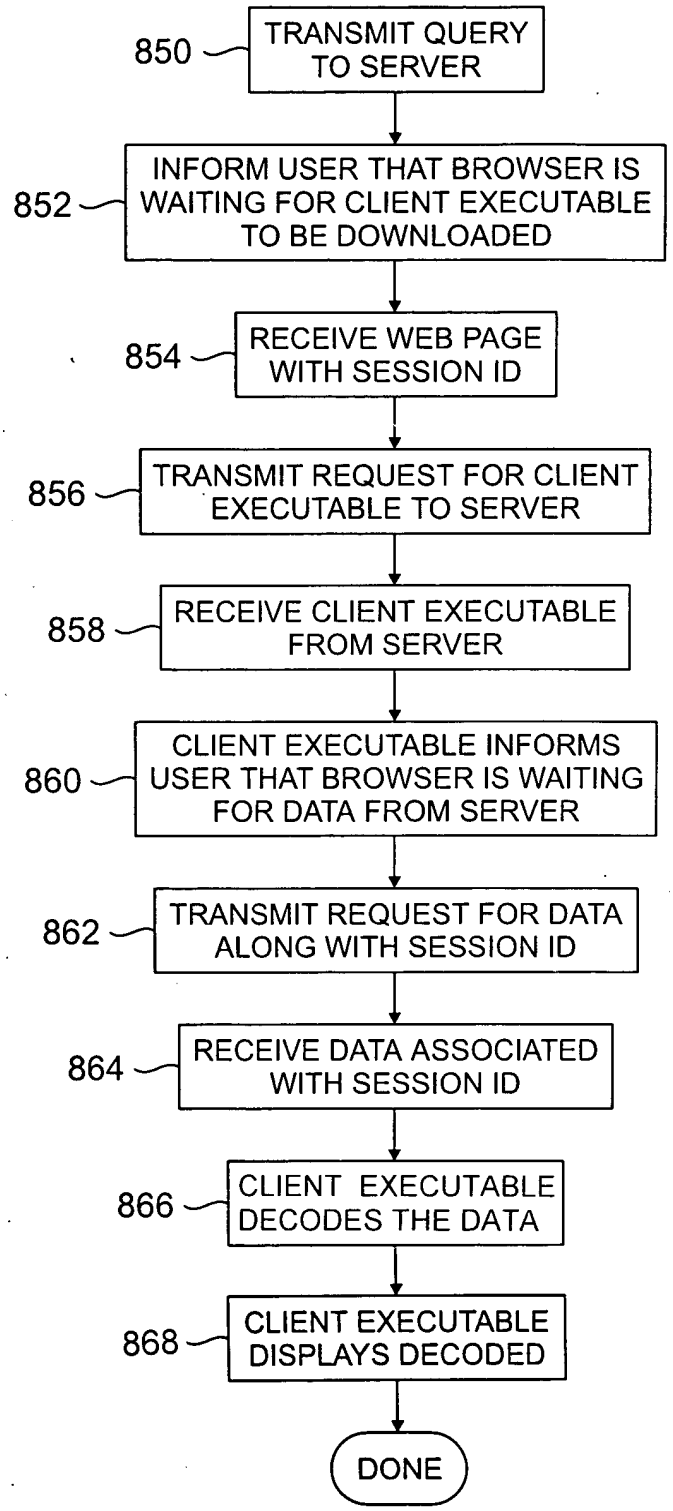
850
TRANSMIT QUERY TO SERVER
852
INFORM USER THAT BROWSER IS WAITING FOR CLIENT EXECUTABLE TO BE DOWNLOADED
854
RECEIVE WEB PAGE WITH SESSION ID
856
TRANSMIT REQUEST FOR CLIENT EXECUTABLE TO SERVER
858
RECEIVE CLIENT EXECUTABLE FROM SERVER
860
CLIENT EXECUTABLE INFORMS USER THAT BROWSER IS WAITING FOR DATA FROM SERVER
862
TRANSMIT REQUEST FOR DATA ALONG WITH SESSION ID
864
RECEIVE DATA ASSOCIATED WITH SESSION ID
866
CLIENT EXECUTABLE DECODES THE DATA
868
CLIENT EXECUTABLE DISPLAYS DECODED
DONE

FIG. 8B